



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/807,091
				Filing Date	March 23, 2004
				First Named Inventor	Don M. Hannegan
				Group Art Unit	
				Examiner Name	
Sheet	1	of	11	Attorney Docket Number	H055010.0050US0

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	Number	Kind Code (if known)		
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Exr Initials	U.S. Patent Document		Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY
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U.S. PATENT RELATED APPLICATIONS				
Exr Initials	APPLICATION NO.	ATTY. DOCKET NO.	Status or Patentee	Date of Filing or Issue
	60/079,641	09432/160001	Abandoned, but Priority Claimed in above U.S. Patent Nos. 6,230,824B1 and 6,102,673 and PCT WO 99/50524	March 27, 1998

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exr Initials		Include Name of first Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), volume-issue number(s), page(s), date (in parentheses). If a book, also include publisher and city and/or county where published.	T ₁
	A	The Modular T BOP Stack System, Cameron Iron Works © 1985 (5 pages)	
	B	Cameron HC Collet Connector, ©1996 Cooper Cameron Corporation, Cameron Division (12 pages)	
	C	Riserless drilling: circumventing the size/cost cycle in deepwater - Conoco, Hydril project seek enabling technologies to drill in deepest water depths economically, May 1996 Offshore Drilling Technology (pages 49, 50, 52, 53, 54 and 55)	
	D	Williams Tool Company - Home Page - Under Construction Williams Rotating Control Heads (2 pages); Seal-Ability for the pressures of drilling (2 pages); Williams Model 7000 Series Rotating Control Heads (1 page); Williams Model 7000 & 7100 Series Rotating Control Heads (2 pages); Williams Model IP1000 Rotating Control Head (2 pages); Williams Conventional Models 8000 & 9000 (2 pages); Applications Where using a Williams rotating control head while drilling is a plus (1 page); Williams <u>higher pressure</u> rotating control head systems are IDEALLY SUITED FOR NEW TECHNOLOGY FLOW DRILLING AND CLOSED LOOP UNDERBALANCED DRILLING (UBD) VERTICAL AND HORIZONTAL (2 pages); and How to Contact Us (2 pages)	
	E	Offshore - World Trends and Technology for Offshore Oil and Gas Operations, March 1998, Seismic: Article entitled, "Shallow Flow Diverter JIP Spurred by Deepwater Washouts" (3 pages including cover page, table of contents and page 90)	
	F	Williams Tool Co., Inc. Rotating Control Heads and Strippers for Air, Gas, Mud, and Geothermal Drilling Worldwide - Sales Rental Service, ©1988 (19 pages)	
	G	Williams Tool Co., Inc. 19 page brochure ©1991 Williams Tool Co., Inc. (19 pages)	
	H	Fig. 14. Floating Piston Drilling Choke Design; May of 1997	
	I	Blowout Preventer Testing for Underbalanced Drilling by Charles R. "Rick" Stone and Larry A. Cress, Signa Engineering Corp., Houston, Texas, 24 pages, (Undated)	
	J	Williams Tool Co., Inc. Instructions, Assemble & Disassemble Model 9000 Bearing Assembly (cover page and 27 numbered pages)	
	K	Williams Tool Co., Inc. Rotating Control Heads Making Drilling Safer While Reducing Costs Since 1968, ©1989 (4 pages)	
	L	Williams Tool Company, Inc. International Model 7000 Rotating Control Head, © 1991 (4 pages).	
	M	Williams Rotating Control Heads, Reduce Costs Increase Safety Reduce Environmental Impact, 4 pages, (© 1995)	
	N	Williams Tool Co., Inc., Sales-Rental-Service, Williams Rotating Control Heads and Strippers for Air, Gas, Mud, and Geothermal Drilling, © 1982 (7 pages)	
	O	Williams Tool Co., Inc., Rotating Control Heads and Strippers for Air, Gas, Mud, Geothermal and Pressure Drilling, © 1991 (19 pages)	
	P	An article - The Brief January '96, The Brief's Guest Columnists, Williams Tool Co., Inc., Communicating December 13, 1995 (Fort Smith, Arkansas) The <i>When?</i> and <i>Why?</i> of Rotating Control Head Usage, Copyright © Murphy Publishing, Inc. 1996 (2 pages)	
	Q	A reprint from the October 9, 1995 edition of Oil & Gas Journal, "Rotating control head applications increasing", by Adam T. Bourgoyne, Jr., Copyright 1995 by PennWell Publishing Company (4 pages)	
	R	1966-1967 Composite Catalog-Grant Rotating Drilling Head for Air, Gas or Mud Drilling, (1 page)	
	S	1976-1977 Composite Catalog Grant Oil Tool Company Rotating Drilling Head Models 7068, 7368, 8068 (Patented), Equally Effective with Air, Gas, or Mud Circulation Media (3 pages)	

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	T	A Subsea Rotating Control Head for Riserless Drilling Applications; Darryl A. Bourgoyne, Adam T. Bourgoyne, and Don Hannegan - 1998 International Association of Drilling Contractors International Deep Water Well Control Conference held in Houston, Texas, August 26-27, 1998, 14 pages.		
	U	Hannegan, "Applications Widening for Rotating Control Heads," Drilling Contractor, cover page, table of contents and pages 17 and 19, Drilling Contractor Publications Inc., Houston, Texas, July 1996.		
	V	Composite Catalog, Hughes Offshore 1986-87 Subsea Systems and Equipment, Hughes Drilling Equipment Composite Catalog, two cover sheets and pages 2988-3004.		
	W	Williams Tool Co., Inc., Technical Specifications Model for The Model 7100, 3 pages.		
	X	Williams Tool Co., Inc. Website, Underbalanced Drilling (UBD), The Attraction of UBD 2 pages.		
	Y	Williams Tool Co., Inc. Website, "Applications, Where Using a Williams Rotating Control Head While Drilling is a Plus," 2 pages.		
	Z1	Williams Tool Co., Inc. Website, "Model 7100," 3 pages.		
	Z2	Composite Catalog, Hughes Offshore 1982/1983, Regan Products, © Copyright 1982, Two cover sheets and 4308-27 thru 4308-43, and end sheet		
	Z3	Coflexip Brochure; 1-Coflexip Sales Offices, 2-The Flexible Steel Pipe for Drilling and Service Applications, 3-New 5" I.D. General Drilling Flexible, 4-Applications, and 5-Illustration, 5 unnumbered pages.		
	AA	Baker, Ron, "A Primer of Oilwell Drilling", Fourth Edition, Published by Petroleum Extension Service, The University of Texas at Austin, Austin, Texas, in cooperation with International Association of Drilling Contractors Houston Texas © 1979, 3 cover pages and pages 42-49 re Circulation System.		
	BB	Brochure, Lock down Lubricator System, Dutch Enterprises Inc., "Safety with Savings," pages D-3 through D-18, See above U.S. Patent No. 4,836,289 referred to therein.		
	CC	Hydril GL series Annular Blowout Preventers (Patented - see Roche patents above), 2pages, (© 1998)		
	DD	Other Hydril Product Information (The GH Gas Handler Series Product is Listed), © 1996, Hydril Company, pages D-29 through D-47.		
	EE	Brochure, Shaffer Type 79 Rotating Blowout Preventer, NL Rig Equipment/NL Industries, Inc., pages D-49 thru D-54.		
	FF	Shaffer, A Varco Company, Cover page and pages 1562-1568.		
	GG	Avoiding Explosive Unloading of Gas in a Deep Water Riser When SOBMs are in Use; Colin P. Leach & Joseph R. Roche; (The Paper Describes an Application for the Hydril Gas Handler, The Hydril GH 211-2000 Gas Handler is Depicted in Figure 1 of the Paper), 9 unnumbered pages, (Undated)		
	HH	Feasibility Study of Dual Density Mud System for Deepwater Drilling Operations; Clovis A. Lopes & A.T. Bourgoyne Jr.; Offshore Technology Conference Paper Number 8465, pages 257-266, (© 1997)		

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Exr Initials		Include Name of first Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), volume-issue number(s), page(s), date (in parentheses). If a book, also include publisher and city and/or county where published.	T ₁	
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	JJ	Nakagawa, Edson Y., Santos, Helio and Cunha, J.C., "Application of Aerated-Fluid Drilling in Deepwater", SPE/IADC 52787 Presented by Don Hannegan, P.E., SPE ©1999 SPE/IADC Drilling Conference, Amsterdam, Holland, 5 unnumbered pages, (March 9-11, 1999)		
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	RR	"RiserCap™ Materials Presented at the 1999 LSU/MMS/IADC Well Control Workshop", by Williams Tool Company, Inc., pp. 1-14, (March 24-25, 1999)		
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	WW	PCT Search Report, International Application No. PCT/GB00/00731, 3 pages, (Date of Completion June 16, 2000)		
	XX	National Academy of Sciences—National Research Council, "Design of a Deep Ocean Drilling Ship", Cover Page and pp. 114-121, Undated but cited in above U.S. Patent No. 6,230,824B1		
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	ZZ	Helio Santos, Email message to Don Hannegan, et al., 1 page, (August 20, 2001)		
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/807,091
				Filing Date	March 23, 2004
				First Named Inventor	Don M. Hannegan
				Group Art Unit	
				Examiner Name	
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	BBB	ANTONIO C.V.M. LAGE, HELIO SANTOS and PAULO R.C. SILVA, <i>Drilling With Aerated Drilling Fluid From a Floating Unit Part 2: Drilling the Well</i> , SPE 71361, 11 pages, (©2001, Society of Petroleum Engineers Inc.)		
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	DDD	E. Y. NAKAGAWA, H. SANTOS, J. C. CUNHA and S. SHAYEGI, <i>Planning of Deepwater Drilling Operations with Aerated Fluids</i> , SPE 54283, 7 pages, (©1999, Society of Petroleum Engineers Inc.)		
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	FFF 1	Press Release: "Stewart & Stevenson Introduces First Dual Gradient Riser," Stewart & Stevenson, http://www.ssss.com/ssss/20000831.asp , 2 pages (8/31/2000)		
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	SSS	MURPHY, ROSS D. and THOMPSON, PAUL B., "A drilling contractor's view of underbalanced drilling," World Oil Magazine, Vol. 223, No. 5, 9 pages, (May 2002)		
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	UUU	RACH, NINA M., "Underbalanced, near-balanced drilling are possible offshore," Oil & Gas Journal, Color Copies, pp. 39-44, (December 1, 2003)		

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	ZZZ	HANNEGAN, DON M. and WANZER, GLEN; "Well Control Considerations - Offshore Applications of Underbalanced Drilling Technology," SPE/IADC 79854, pp.1-14, (© 2003, SPE/IADC Drilling Conference)		
	AAAA	BYBEE, KAREN, "Offshore Applications of Underbalanced-Drilling Technology," Journal of Petroleum Technology, Cover Page and pp. 51-52, (January 2004)		
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	GGGG	GB Search Report, International Application No. GB 0324939.8, 1 page (01/21/2004)		

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